Creative Enzymes®

Acetyl coenzyme A lithium salt

Cat. No. COEC-082

Lot. No. (See product label)

Introduction

Description	Acetyl coenzyme A trilithium salt is a lithium salt of an essential cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions. Acetyl coenzyme A is formed either by the oxidative decarboxylation of pyruvate in mitochondria, by the oxidation of long-chain fatty acids, or by the oxidative degradation of certain amino acids. Acetyl coenzyme A is a key precursor in lipid biosynthesis, and the source of all fatty acid carbons. Acetyl-coA is a positive regulator of pyruvate carboxylase and is a precursor of the neurotransmitter acetylcholine.
Applications	A cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions
Synonyms	Acetyl-S-CoA Li3

Product Information

Appearance	Powder
Form	Solid
CAS No.	32140-51-5
Molecular Formula	C23H35N7O17P3S•3Li
Molecular Weight	881
Purity	≥95%
Solubility	Soluble in water